

What is Claimed is:

1.  $17\beta$ -N-(2,5-bis(Trifluoromethyl))phenylcarbamoyl-4-aza-5 $\alpha$ -androst-1-en-3-one or a pharmaceutically acceptable solvate thereof.

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2. A pharmaceutical formulation comprising the compound of Claim 1 and a pharmaceutically acceptable carrier thereof.

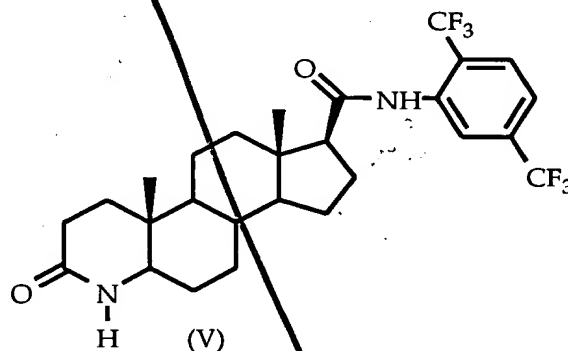
a 10

3. Use of the compound of Claim 1 in the manufacture of a medicament for the treatment or prevention of an androgen responsive or mediated <sup>condition</sup> ~~disease~~.

4. A process for preparing the compound of Claim 1 which comprises:

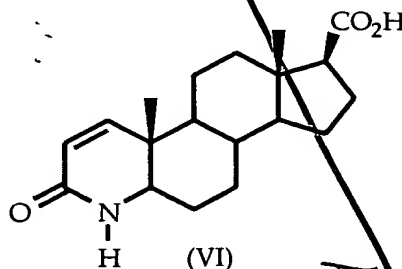
(A) dehydrogenating the compound of formula (V)

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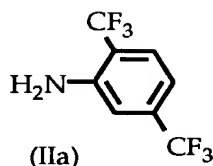


; or

(B) reacting the compound of formula (VI)



with the compound of formula (IIa)



5 and if necessary and/or desired, subjecting the compound thus obtained to one or more further reactions comprising;

(i) removing any protecting group or groups; and/or

10 (ii) converting the compound of formula (I) or a solvate thereof into a pharmaceutically acceptable solvate thereof.

5. A process as claimed in claim 4 wherein in process (B) the compound of formula (VI) is treated with a halogenating agent in the presence of a base prior to the reaction with the compound of formula (IIa).

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6. A process as claimed in claim 5 wherein the halogenating agent is thionyl chloride.

7. A method of inhibiting 5 $\alpha$ -testosterone reductase comprising contacting 5 $\alpha$ -  
20 testosterone reductase with an effective 5 $\alpha$ -testosterone reductase inhibitory amount of the compound of Claim 1.

8. A method of treating an androgen responsive or mediated disease in a mammal suffering from said disease comprising administering to said mammal  
25 a safe and effective androgen responsive or mediated disease amount of the compound of Claim 1.

a 9. A method of Claim 8 wherein the androgen responsive or mediated <sup>condition</sup> ~~disease~~ is benign prostatic hypertrophy, prostate cancer, acne, male pattern baldness and hirsutism.

5 ~~10~~ 3 A pharmaceutical formulation comprising a safe and effective amount of a compound of Claim 1 and a pharmaceutically acceptable carrier thereof.

10 11. A method of treating an androgen responsive or mediated disease in a mammal suffering from said disease comprising administering to said mammal a safe and effective androgen responsive or mediated disease amount of the formulation of Claim 10.

15 12. A pharmaceutical formulation containing;  
a safe and effective amount of a compound defined by Claim 1;  
an alpha 1 adrenergic receptor blocker; and  
a pharmaceutically acceptable carrier thereof.

20 ~~13~~ 5 4 The pharmaceutical formulation of Claim ~~12~~ wherein the alpha 1 adrenergic receptor blocker is selected from the group consisting of: prazosin, terazosin, doxazosin, indoramin, trimazosin and tamsulosin

~~14~~ 6 5 The pharmaceutical formulation of Claim ~~13~~ wherein the alpha 1 adrenergic receptor blocker is terazosin.

25 15. A method of treating an androgen responsive or mediated disease in a mammal suffering from said disease comprising administering to said mammal a safe and effective androgen responsive or mediated disease amount of the formulation of Claim 12.

16. A pharmaceutical formulation containing;  
a safe and effective amount of a compound defined by Claim 1;  
an anti-estrogen selected from the group consisting of: clomiphene and  
tamoxifen; and  
a pharmaceutically acceptable carrier thereof.

17. The pharmaceutical formulation of Claim 16 wherein the anti-estrogen is  
tamoxifen.

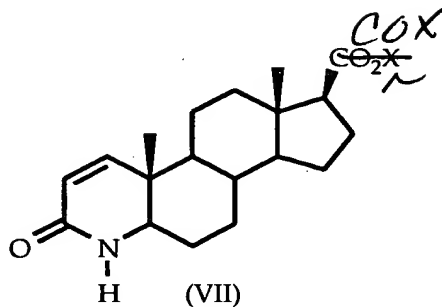
18. A method of treating an androgen responsive or mediated disease in a  
mammal suffering from said disease comprising administering to said mammal  
a safe and effective androgen responsive or mediated disease amount of the  
formulation of Claim 16.

19. A pharmaceutical formulation containing;  
a safe and effective amount of a compound defined by Claim 1;  
an anti-androgen; and  
a pharmaceutically acceptable carrier thereof.

20. The pharmaceutical formulation of Claim 19 wherein the anti-androgen is  
flutamide.

21. A method of treating an androgen responsive or mediated disease in a  
mammal suffering from said disease comprising administering to said mammal  
a safe and effective androgen responsive or mediated disease amount of the  
formulation of Claim 19.

22. A compound of the following formula (VII);



wherein X is halogen.

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23. The compound of claim 18 wherein the halogen is chloro.

24. A compound of the following formula;

